

AMENDMENTS TO THE CLAIMS:

Please amend claims 1-22 as indicated below.

(Currently amended) 1. A method for performing diagnostics on a computer peripheral device, said method comprising:

coupling a computer executing comprising a web browser to a backend server via a communication link;

~~via a peripheral device coupled to said computer and comprising a web server, constructing and sending a peripheral device HTTP message to said web browser from a web server executing in a peripheral device coupled to the computer, the peripheral device HTTP message comprising peripheral device functionality information;~~

~~via said web browser, forwarding said peripheral device HTTP message from said web server to said backend server;~~

~~via said backend server, and in response to receiving said peripheral device HTTP message, constructing and transmitting from said backend server to said peripheral device one of a directive web page to said peripheral device requesting more information from the peripheral device and if more information is needed, or a constructing and transmitting a human readable web page to said web browser, indicating that contains diagnostic results if more information is not needed;~~

~~via said web server~~, automatically responding to a directive web page received at the web server with ~~another a new~~ peripheral device HTTP message comprising functionality information; and

iteratively communicating between said backend server and said peripheral device ~~[[is]]~~ until ~~a user communication point is reached, which communication point precedes transmitting said human readable web page is constructed by said backend server.~~

(Currently amended) 2. The method of Claim 1, ~~wherein~~ said peripheral device being [is] an image reproduction device.

(Currently amended) 3. The method of Claim 2, ~~wherein~~ said image reproduction device being [is] a printer.

(Currently amended) 4. The method of Claim 1~~[[,]]~~ further comprising: ~~via a PostScript function interface,~~

generating said peripheral device functionality information with a PostScript function interface in response to a call from said web server.

(Currently amended) 5. The method of Claim 1, ~~wherein~~ said communication link comprises being the World Wide Web.

(Currently amended) 6. A method for performing diagnostics on a computer peripheral device, said method comprising:

coupling a computer executing comprising a web browser to a backend server via a communication link;

~~via a peripheral device coupled to said computer and comprising a web server, constructing and sending a peripheral device HTTP message to said web browser from a web server operating within a peripheral device that is coupled to the computer, the peripheral device HTTP message comprising peripheral device functionality information;~~

~~via said web browser, forwarding said peripheral device HTTP message to said backend server via said web browser;~~

~~via said backend server, and in response to receiving said peripheral device HTTP message, constructing and transmitting a directive web page to said peripheral device requesting more information in response to said peripheral device HTTP message having insufficient information; if more information is needed, or a~~

constructing and transmitting a human readable web page indicating diagnostic results to said web browser in response to said peripheral device HTTP message having sufficient information, indicating diagnostic results if more information is not needed;

~~via said web server, automatically responding to a directive web page received from the backend server with another a new peripheral device HTTP message comprising functionality information;~~

iteratively communicating between said backend server and said peripheral device ~~[[is]] until a user communication point is reached, which communication point precedes transmitting said human readable web page is constructed by said backend server;~~ and

~~via a rules based diagnostic database subsumed by said backend server,~~
constructing and transmitting iterative responses to peripheral HTTP messages with reference to a rules based diagnostic database operating with said backend server.

(Currently amended) 7. The method of Claim 6 ~~[[1,]]~~ further comprising: ~~in response to code in said redirect web pages, said peripheral device executing [[said]] code in said directive web pages~~ to manipulate features of said peripheral device.

(Currently amended) 8. The method of Claim 1, ~~wherein~~ said diagnostic results comprise identifying a user executable solution to a problem corresponding to data in the peripheral device HTTP message experienced by said peripheral device.

(Currently amended) 9. The method of Claim 1, ~~wherein~~ said diagnostic results identifying comprise a solution to a problem experienced by said peripheral device which can be remedied by replacing a user-replaceable peripheral device

component that can be replaced to solve a problem corresponding to data in the peripheral device HTTP message.

(Currently amended) 10. The method of Claim 1, ~~wherein~~ said web pages being constructed with utilize Hyper Text Markup Language (HTML).

(Currently amended) 11. The method of Claim 1, ~~wherein~~ said peripheral device functionality information in said peripheral device HTTP message including ~~comprises~~ data in Extensible Markup Language (XML) format.

(Currently amended) 12. A system for performing diagnostics on a computer peripheral device, said system comprising:

 a backend server;
 a computer executing comprising a web browser;
 a communication link coupled between said computer and said backend server; ~~and~~
 a peripheral device coupled to said computer, the peripheral device including and comprising a web server, said web server adapted to construct and send a peripheral device HTTP message to said web browser comprising peripheral device functionality information;
 wherein said web browser being [is] adapted to forward said peripheral device HTTP message to said backend server, and

said backend server being [[is]] adapted to, in response to receiving said peripheral device HTTP message, construct and transmit a directive web page to said peripheral device requesting more information in response to said peripheral device HTTP message having insufficient information if more information is needed, or a human readable web page to said web browser[[,]] indicating diagnostic results in response to said peripheral device HTTP message having sufficient information if more information is not needed, and said web server being [[is]] adapted to respond automatically respond to a directive web page with another a new peripheral device HTTP message comprising functionality information, and the communication between said backend server and said peripheral device iteratively continues is iterative until a user communication point is reached, which communication point precedes transmitting said human readable web page is constructed by said backend server.

(Currently amended) 13. The system of Claim 12, wherein said peripheral device being [is] an image reproduction device.

(Currently amended) 14. The system of Claim 13, wherein said image reproduction device being [is] a printer.

(Currently amended) 15. The system of Claim 12, wherein said peripheral device further comprises comprising a PostScript function interface adapted to generate

said peripheral device functionality information in response to a call from said web server.

(Currently amended) 16. The system of Claim 12, ~~wherein~~ said communication link ~~comprises~~ comprising the World Wide Web.

(Currently amended) 17. The system of Claim 12, ~~wherein~~ said backend server ~~comprises~~ comprising a rules-based diagnostic database adapted to indicate iterative responses to peripheral device HTTP messages.

(Currently amended) 18. The system of Claim 12, ~~wherein~~ said ~~redirect directive~~ web pages ~~comprise~~ comprising code executable by said peripheral device to manipulate features of said peripheral device.

(Currently amended) 19. The system of Claim 12, ~~wherein~~ said diagnostic results ~~comprise~~ identifying a user executable solution to a problem corresponding to ~~peripheral device functionality information experienced by said peripheral device.~~

(Currently amended) 20. The system of Claim 12, ~~wherein~~ said diagnostic results ~~comprise~~ identifying a user-replaceable peripheral device component, replacement of which solves ~~solution to~~ a problem corresponding to ~~peripheral device functionality information experienced by said peripheral device which can be remedied by replacing a user-replaceable peripheral device component.~~

(Currently amended) 21. The system of Claim 12, ~~wherein~~ said web pages being constructed with ~~utilize~~ Hyper Text Markup Language (HTML).

(Currently amended) 22. The system of Claim 12, ~~wherein~~ said peripheral device functionality information ~~comprises~~ including data in Extensible Markup Language (XML) format.